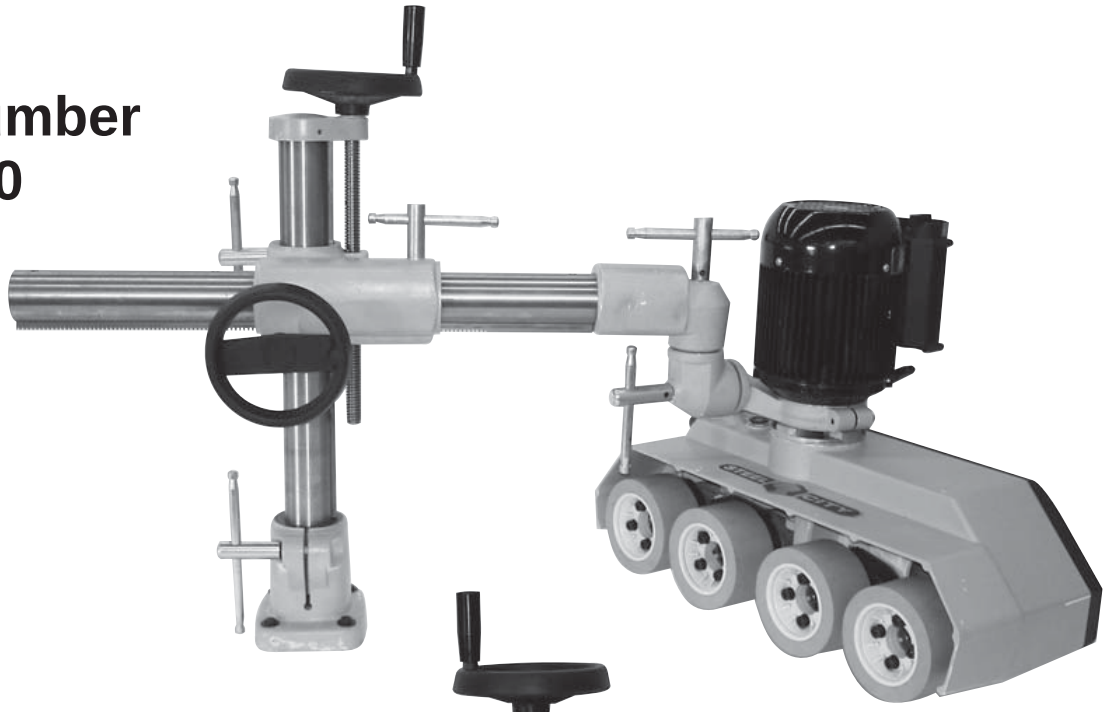
User Manual

Read and understand this manual before using machine.

INDUSTRIAL STOCK FEEDERS

Model Number 35660



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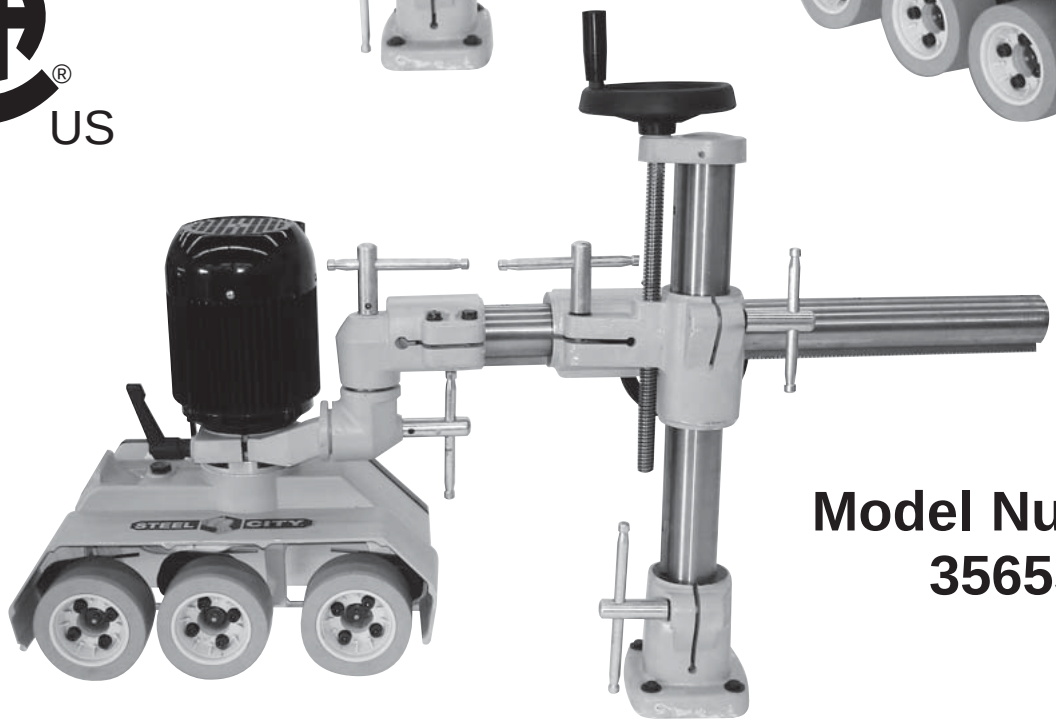


Model Number 35655

STEEL CITY TOOL WORKS
VER. 10.06

Manual Part No. OR73267

THANK YOU for purchasing your new Steel City Stock Feeder. This stock feeder has been designed, tested, and inspected with you, the customer, in mind. When properly assembled, used and maintained, your stock feeder will provide you with years of trouble free service, which is why it is backed by one of the longest machinery warranties in the business.

This stock feeder is just one of many products in the Steel City's family of woodworking machinery and is proof of our commitment to total customer satisfaction.

At Steel City we continue to strive for excellence each and every day and value the opinion of you, our customer. For comments about your stock feeder or Steel City Tool Works, please visit our web site at **www.steelcitytoolworks.com** .

TABLE OF CONTENTS

INTRODUCTION

SECTION 1 Warranty 4

SECTION 2 Product Specifications 7

SECTION 3 Feature Identification 8

SECTION 4 General Safety 9

SECTION 5 Product Safety 11

SECTION 6 Electrical Requirements and Grounding Instructions 12

SECTION 7 Unpacking & Inventory 14

SECTION 8 Assembly 16

SECTION 9 Adjustments 19

SECTION 10 Operations 22

SECTION 11 Maintenance 24

SECTION 12 Parts List 26

INTRODUCTION

This user manual is intended for use by anyone working with this machine. It should be kept available for immediate reference so that all operations can be performed with maximum efficiency and safety. Do not attempt to perform maintenance or operate this machine until you have read and understand the information contained in this manual.

The drawings, illustrations, photographs, and specifications in this user manual represent your machine at time of print. However, changes may be made to your machine or this manual at any time with no obligation to Steel City Tool Works.

WARRANTY

1 YEAR LIMITED WARRANTY

Steel City Tool Works, LLC (SCTW) warrants this SCTW machinery to be free of defects in workmanship and materials for a period of 1 years from the date of the original retail purchase by the original owner for domestic use. Granite components are warranted for 1 years based on normal use and is void if non SCTW accessories are used that cause the break or chip. Customer must advise SCTW within 30 days for any damage or defect found upon receipt of the product to qualify for the warranty on granite.

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 1 year Limited Warranty with the Conditions and Exceptions listed below.

Conditions and exception:

Warranty applies to the original buyer only and may not be transferred. Original proof of purchase is required.

Warranty does not include failures, breakage or defects deemed after inspection by an Authorized Service Center, (ASC) or agent of, have been directly or indirectly caused by or resulting from improper use, lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any part or component.

Additionally, warranty is void if repairs or alterations are made to the machine by an unauthorized service center without the direct consent of SCTW

Consumables such as blades, knives, bits and sandpaper are not covered.
Wear items such as drive belt, bearings, switch, are covered for 1 year.

To file a claim of warranty or to find a service center, call toll free 877-724-8665 or email customercare@steelcitytoolworks.net and you must be able to present the original or photo copy of the sales receipt including the serial number from the machine and/or carton.

SCTW will inspect, repair or replace, at its expense and its option, any part that has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a designated ASC and provides SCTW with a reasonable opportunity to verify the alleged defect by inspection. SCTW will return the product or replacement at our expense unless it is determined by us that there is no defect or that the defect resulted from causes not within the scope of our *warranty in which case we will, at your direction, dispose of or return the product.* In the event you choose to have the product returned, you will be responsible for the handling and shipping costs of the return.

SCTW furnishes the above warranties in lieu of all other warranties, express or implied. SCTW shall not be liable for any special, indirect, incidental, punitive or consequential damages, including without limitation loss of profits arising from or related to the warranty, the breach of any agreement or warranty, or the operation or use of its machinery, including without limitation damages arising from damage to fixtures, tools, equipment, parts or materials, direct or indirect loss caused by and other part, loss of revenue or profits, financing or interest charges, and claims by and third person, whether or not notice of such possible damages has been given to SCTW. Damages or any kind for any delay by or failure of SCTW to perform its obligations under this agreement or claims made a subject of a legal proceeding against SCTW more than one (1) year after such cause of action first arose.

The validity, construction and performance of this Warranty and any sale of machinery by SCTW shall be governed by the law of the Commonwealth of Pennsylvania, without regard to conflicts of law's provisions of any jurisdiction. Any action related in any way to any alleged or actual offer, acceptance or sale by SCTW or any claim related to the performance of and agreement including without limitation this Warranty, shall take place in the federal or state courts in Allegheny County, Pennsylvania.

Warranty registration card must be submitted to SCTW for purpose of proof within 90 days of purchase with a copy of the sales receipt. Failure to do so will, revert the 1 year warranty to 1/2 year as in the terms stated above. This registration is also needed to facilitate contact in case of a safety recall.

This warranty gives you specific legal rights and you may have other rights which vary in certain States or Provinces.

Note to user
This instruction manual is meant to serve as a guide only. Specification and references are subject to change without prior notice. Check the website www.steelcitytoolworks.com for updated manuals with reference to the VER# located on the front page.

LIMITED WARRANTY

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 30 days Limited Warranty with the Conditions and Exceptions listed previously.

WARRANTY CARD

Name _____
Street _____
Apt. No. _____
City _____ State _____ Zip _____
Phone Number _____
E-Mail _____

Product Description: _____
Model No.: _____
Serial No. _____

The following information is given on a voluntary basis and is strictly confidential.

1. Where did you purchase your STEEL CITY machine?
   Store: _____
   City: _____

2. How did you first learn of Steel City Tool Works?
   ___ Advertisement ___ Mail Order Catalog
   ___ Web Site ___ Friend
   ___ Local Store Other _____

3. Which of the following magazines do you subscribe to?
   ___ American Woodworker ___ American How-To
   ___ Cabinetmaker ___ Family Handyman
   ___ Fine Homebuilding ___ Fine Woodworking
   ___ Journal of Light Construction ___ Old House Journal
   ___ Popular Mechanics ___ Popular Science
   ___ Popular Woodworking ___ Today's Homeowner
   ___ WOOD ___ Woodcraft
   ___ WOODEN Boat ___ Woodshop News
   ___ Woodsmith ___ Woodwork
   ___ Woodworker ___ Woodworker's Journal
   ___ Workbench Other _____

4. Which of the following woodworking / remodeling shows do you watch?
   ___ Backyard America ___ The American Woodworker
   ___ Home Time ___ The New Yankee Workshop
   ___ This Old House ___ Woodwright's Shop
   Other _____

5. What is your annual household income?
   ___ $20,000 to $29,999 ___ $30,000 to $39,999
   ___ $40,000 to $49,999 ___ $50,000 to $59,999
   ___ $60,000 to $69,999 ___ 70,000 to $79,999
   ___ $80,000 to $89,999 ___ $90,000 +

6. What is your age group?
   ___ 20 to 29 years ___ 30 to 39 years
   ___ 40 to 49 years ___ 50 to 59 years
   ___ 60 to 69 years ___ 70 + years

7. How long have you been a woodworker?
   ___ 0 to 2 years ___ 2 to 8 years
   ___ 8 to 20 years ___ over 20 years

8. How would you rank your woodworking skills?
   ___ Simple ___ Intermediate
   ___ Advance ___ Master Craftsman

9. How many Steel City machines do you own? _____

10. What stationary woodworking tools do you own?
    Check all that apply.
    ___ Air Compressor ___ Band Saw
    ___ Drill Press ___ Drum Sander
    ___ Dust Collection ___ Horizontal Boring Machine
    ___ Jointer ___ Lathe
    ___ Mortiser ___ Panel Saw
    ___ Planer ___ Power Feeder
    ___ Radial Arm Saw ___ Shaper
    ___ Spindle Sander ___ Table Saw
    ___ Vacuum Veneer Press ___ Wide Belt Sander
    Other _____

11. Which benchtop tools do you own? *Check all that apply.*
    ___ Belt Sander ___ Belt / Disc Sander
    ___ Drill Press ___ Band Saw
    ___ Grinder ___ Mini Jointer
    ___ Mini Lathe ___ Scroll Saw
    ___ Spindle / Belt Sander Other _____

12. Which portable / hand held power tools do you own?
    Check all that apply.
    ___ Belt Sander ___ Biscuit Jointer
    ___ Dust Collector ___ Circular Saw
    ___ Detail Sander ___ Drill / Driver
    ___ Miter Saw ___ Orbital Sander
    ___ Palm Sander ___ Portable Thickness Planer
    ___ Saber Saw ___ Reciprocating Saw
    ___ Router Other _____

13. What machines / accessories would you like to see added to the STEEL CITY line?
    _____
    _____

14. What new accessories would you like to see added?
    _____
    _____

15. Do you think your purchase represents good value?
    ___Yes ___ No

16. Would you recommend STEEL CITY products to a friend?
    ___ Yes ___ No

17. Comments:
    _____
    _____
    _____
    _____
    _____

CUT HERE

FOLD ON DOTTED LINE

PLACE
STAMP
HERE

SteelCityToolWorks

#4 Northpoint Court
Bolingbrook, IL 60440

FOLD ON DOTTED LINE

PRODUCT SPECIFICATIONS

MODEL 35655 (3-wheel)

MOTOR

Type	Induction TEFC
Horsepower	1HP
Amps	4.2/2.5
Voltage	230V only
Phase	single
Hertz	60
RPM	3210-1700

PRODUCT DIMENSIONS

Height	29in.
Length (arm fully extended)	25in.
Net weight	141lbs

GENERAL

Number of rollers	3 (rubber)
Number of speeds	4
Speed ranges	(13,26,36,72Ft/min.) (4,8,10,20M/min.)
Max height of rollers parallel to table	8in.
Swing	360deg.
Forward and reversing	Yes

SHIPPING DIMENSIONS

Box 1		Box 2	
Length	21.5 in	Length	30 in.
Width	21.5 in.	Width	12 in.
Depth	11 in.	Depth	12 in.
Gross Weight	68 lbs.	Gross Weight	79 lbs.

MODEL 35660 (4-wheel)

MOTOR

Type	Induction TEFC
Horsepower	1HP
Amps	4.2/2.5
Voltage	230V only
Phase	single
Hertz	60
RPM	3210-1700

PRODUCTION DIMENSIONS

Height	29in.
Length (arm fully extended)	25in.
Net weight	152lbs

GENERAL

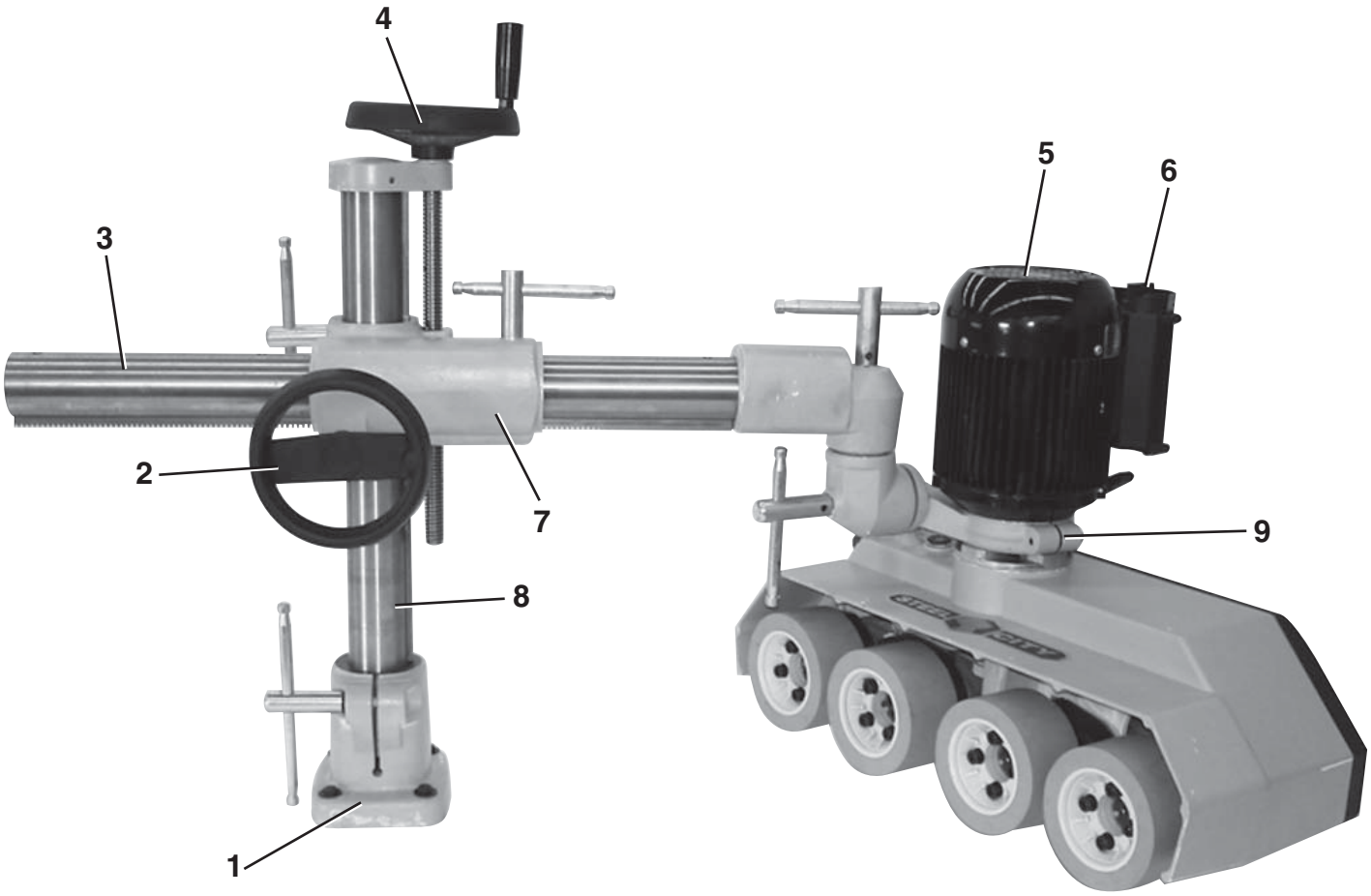
Number of rollers	4 (rubber)
Number of speeds	8
Speed ranges	(6.5,13,18,22,36,43, 55,108Ft/min.) (2,4,5.5,6.7,11,13 16.5,33M/min.)
Max height of rollers parallel to table	8in.
Swing	360deg.
Forward and reversing	Yes

SHIPPING DIMENSIONS

Box 1		Box 2	
Length	29.5 in.	Length	30 in.
Width	22 in.	Width	12 in.
Depth	11 in.	Depth	12 in.
Gross Weight	79 lbs.	Gross Weight	79 lbs.

FEATURE IDENTIFICATION

Model 35660 Shown



1. Base
2. Handwheel (horizontal)
3. Horizontal Arm
4. Handwheel (vertical)
5. Motor
6. Switch
7. Elevating Bracket
8. Vertical Arm
9. Motor Clamp

GENERAL SAFETY

⚠ WARNING

TO AVOID serious injury and damage to the machine, read and follow all Safety and Operating Instructions before assembling and operating this machine.

This manual is not totally comprehensive. It does not and can not convey every possible safety and operational problem which may arise while using this machine. The manual will cover many of the basic and specific safety procedures needed in an industrial environment.

All federal and state laws and any regulations having jurisdiction covering the safety requirements for use of this machine take precedence over the statements in this manual. Users of this machine must adhere to all such regulations.

Below is a list of symbols that are used to attract your attention to possible dangerous conditions.

⚠

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

⚠ CAUTION

Indicates a potentially hazardous situation, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the machine.

⚠ WARNING

Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. The dust may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

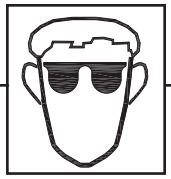
Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

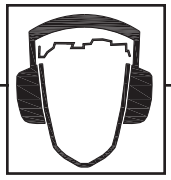
1. To avoid serious injury and damage to the machine, read the entire User Manual before assembly and operation of this machine.

⚠ WARNING



2. **ALWAYS** wear eye protection. Any machine can throw debris into the eyes during operations, which could cause severe and permanent eye damage. Everyday eyeglasses are **NOT** safety glasses. **ALWAYS** wear Safety Goggles (that comply with ANSI standard Z87.1) when operating power tools.

⚠ WARNING



3. **ALWAYS** wear hearing protection. Plain cotton is not an acceptable protective device. Hearing equipment should comply with ANSI S3.19 Standards.

⚠ WARNING

4. **ALWAYS** wear a NIOSH/OSHA approved dust mask to prevent inhaling dangerous dust or airborne particles.

5. **ALWAYS** keep the work area clean, well lit, and organized. **DO NOT** work in an area that have slippery floor surfaces from debris, grease, and wax.

6. **ALWAYS** unplug the machine from the electrical receptacle when making adjustments, changing parts or performing any maintenance.

7. **AVOID ACCIDENTAL STARTING**. Make sure that the power switch is in the "OFF" position before plugging in the power cord to the electrical receptacle.

⚠ WARNING

8. **AVOID** a dangerous working environment. **DO NOT** use electrical tools in a damp environment or expose them to rain or moisture.

⚠ WARNING

9. **CHILDPROOF THE WORKSHOP AREA** by removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

10. **DO NOT** use electrical tools in the presence of flammable liquids or gasses.

11. **DO NOT FORCE** the machine to perform an operation for which it was not designed. It will do a safer and higher quality job by only performing operations for which the machine was intended.

12. **DO NOT** stand on a machine. Serious injury could result if it tips over or you accidentally contact any moving part.

13. **DO NOT** store anything above or near the machine.

14. **DO NOT** operate any machine or tool if under the influence of drugs, alcohol, or medication.

15. **EACH AND EVERY** time, check for damaged parts prior to using any machine. Carefully check all guards to see that they operate properly, are not damaged, and perform their intended functions. Check for alignment, binding or breakage of all moving parts. Any guard or other part that is damaged should be immediately repaired or replaced.

16. Ground all machines. If any machine is supplied with a 3-prong plug, it must be plugged into a 3-contact electrical receptacle. The third prong is used to ground the tool and provide protection against accidental electric shock. **DO NOT** remove the third prong.

17. Keep visitors and children away from any machine. **DO NOT** permit people to be in the immediate work area, especially when the machine is operating.

18. **KEEP** protective guards in place and in working order.

19. **MAINTAIN** your balance. **DO NOT** extend yourself over the tool. Wear oil resistant rubber soled shoes. Keep floor clear of debris, grease, and wax.

20. **MAINTAIN** all machines with care. **ALWAYS KEEP** machine clean and in good working order. **KEEP** all blades and tool bits sharp.

21. **NEVER** leave a machine running, unattended. Turn the power switch to the OFF position. **DO NOT** leave the machine until it has come to a complete stop.

22. **REMOVE ALL MAINTENANCE TOOLS** from the immediate area prior to turning the machine ON.

23. **SECURE** all work. When it is possible, use clamps or jigs to secure the workpiece. This is safer than attempting to hold the workpiece with your hands.

24. **STAY ALERT**, watch what you are doing, and use common sense when operating any machine. **DO NOT** operate any machine tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

25. **USE ONLY** recommended accessories. Use of incorrect or improper accessories could cause serious injury to the operator and cause damage to the machine. If in doubt, **DO NOT** use it.
26. **THE USE** of extension cords is not recommended for 230V equipment. It is better to arrange the placement of your equipment and the installed wiring to eliminate the need for an extension cord. If an extension cord is necessary, refer to the chart in the Grounding Instructions section to determine the minimum gauge for the extension cord. The extension cord must also contain a ground wire and plug pin.
27. Wear proper clothing, **DO NOT** wear loose clothing, gloves, neckties, or jewelry. These items can get caught in the machine during operations and pull the operator into the moving parts. Users must wear a protective cover on their hair, if the hair is long, to prevent it from contacting any moving parts.
28. **SAVE** these instructions and refer to them frequently and use them to instruct other users.
29. Information regarding the safe and proper operation of this tool is also available from the following sources:

    Power Tool Institute
    1300 Summer Avenue
    Cleveland, OH 44115-2851
    www.powertoolinstitute.org

    National Safety Council
    1121 Spring Lake Drive
    Itasca, IL 60143-3201

    American National Standards Institute
    25 West 43rd Street, 4th floor
    New York, NY 10036
    www.ansi.org

    ANSI 01.1 Safety Requirements for Woodworking Machines, and the U.S. Department of Labor regulations
    www.osha.gov

PRODUCT SAFETY

1. Serious personal injury may occur if normal safety precautions are overlooked or ignored. Accidents are frequently caused by lack of familiarity or failure to pay attention. Obtain advice from supervisor, instructor, or another qualified individual who is familiar with this machine and its operations.
2. Every work area is different. Always consider safety first, as it applies to your work area. Use this machine with respect and caution. Failure to do so could result in serious personal injury and damage to the machine.
3. Prevent electrical shock. Follow all electrical and safety codes, including the National Electrical Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

⚠ WARNING

4. **TO REDUCE** the risk of electrical shock. **DO NOT** use this machine outdoors. **DO NOT** expose to rain or moisture. Store indoors in a dry area.

5. **STOP** using this machine, if at any time you experience difficulties in performing any operation. Contact your supervisor, instructor or machine service center immediately.
6. Safety decals are on this machine to warn and direct you to how to protect yourself or visitors from personal injury. These decals **MUST** be maintained so that they are legible. **REPLACE** decals that are not legible.
7. **DO NOT** leave the unit plugged into the electrical outlet. Unplug the unit from the outlet when not in use and before servicing, performing maintenance tasks, or cleaning.
8. **ALWAYS** turn the power switch “OFF” before unplugging the stock feeder.

⚠ WARNING

9. **DO NOT** handle the plug or stock feeder with wet hands.

10. **USE** accessories only recommended by Steel City.
11. **DO NOT** pull the machine by the power cord. **NEVER** allow the power cord to come in contact with sharp edges, hot surfaces, oil or grease.
12. **DO NOT** unplug the stock feeder by pulling on the power cord. **ALWAYS** grasp the plug, not the cord.
13. **REPLACE** a damaged cord immediately. **DO NOT** use a damaged cord or plug. If the machine is not operating properly, or has been damaged, left outdoors or has been in contact with water.

14. **DO NOT** use the stock feeder as a toy. **DO NOT** use near or around children.

15. **KEEP** hands away from rollers.

16. **NEVER** feed stock between the fence and the cutter.

17. **ALWAYS** feed against the rotation of the cutter.

18. **ONLY** use flat workpieces in the stock feeder, never use warped or twisted lumber.

19. **NEVER** take off too much material in one pass. Make several lighter passes.

20. **USE** guards, guides, and hold-down wherever possible.

21. **ALWAYS** use proper speed setting for the cutter being used.

22. Cutting tools **MUST** be rotating before feeding.

23. **DO NOT** overload the cutting tool by feeding too fast.

24. **ALWAYS** keep hands away from rotating parts.

25. **PROVIDE** support for long stock on out-feed end of table.

26. **STOP** the feeder before stopping the cutting tool.

27. **NEVER** turn the feeder on with the work piece contacting the stock feeder.

28. **ALLOW** the blade of the cutting machine to come to full speed **BEFORE** feeding a work piece into the stock feeder.

29. Turn the machine **OFF** and **DISCONNECT POWER** before adjusting or changing set ups or when making repairs.

ELECTRICAL REQUIREMENTS

⚠ WARNING

To reduce the risk of electric shock, follow all electrical and safety codes, including the National Electric Code (NEC) and the Occupational Safety and Health Regulations (OSHA). All electrical connections and wiring should be made by qualified personnel only.

The switch provided with your stock feeder is designed for 230 volt single phase usage only. The switch has a plug that is designed to plug into a 230 volt outlet. There are many different configurations for 230 volt outlets, so it is conceivable that the configuration of the plug may not match the configuration of your existing outlet. If this is the case, you will have to replace the plug with a UL/CSA approved plug that matches the configuration of your 230V outlet.

GROUNDING INSTRUCTIONS

⚠ WARNING

This machine **MUST BE GROUNDED** while in use to protect the operator from electric shock.

In the event of a malfunction or breakdown, **GROUNDING** provides the path of least resistance for electric current and reduces the risk of electric shock. The plug **MUST** be plugged into a matching electrical receptacle that is properly installed and grounded in accordance with **ALL** local codes and ordinances.

If a plug is provided with your machine **DO NOT** modify the plug. If it will not fit your electrical receptacle, have a qualified electrician install the proper connections to meet all electrical codes local and state. All connections must also adhere to all of OSHA mandates.

IMPROPER ELECTRICAL CONNECTION of the equipment-grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment-grounding conductor. **DO NOT** connect the equipment-grounding conductor to a live terminal if repair or replacement of the electric cord or plug is necessary.

Check with a qualified electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

PLUGS/RECEPTACLES

⚠ WARNING

- Electrocution or fire could result if this machine is not grounded properly or if the electrical configuration does not comply with local and state electrical codes.
- **MAKE CERTAIN** the machine is disconnected from power source before starting any electrical work.
- **MAKE SURE** the circuit breaker does not exceed the rating of the plug and receptacle.

The motor supplied with your machine is a 230 volt, single phase motor. Never connect the green or ground wire to a live terminal.

A machine with a 230 volt plug should only be connected to an outlet having the same configuration as the plug.

EXTENSION CORDS

⚠ WARNING

To reduce the risk of fire or electrical shock, use the proper gauge of extension cord. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw.

The smaller the gauge-number, the larger the diameter of the extension cord is. If in doubt of the proper size of an extension cord, use a shorter and thicker cord. An undersized cord will cause a drop in line voltage resulting in a loss of power and overheating.

⚠ CAUTION

USE ONLY a 3-wire extension cord that has a 3-prong grounding plug and a 3-pole receptacle that accepts the machine's plug.

If you are using an extension cord outdoors, be sure it is marked with the suffix "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.

Make certain the extension cord is properly sized, and in good electrical condition. Always replace a worn or damaged extension cord immediately or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

MINIMUM RECOMMENDED GAUGE FOR EXTENSION CORDS (AWG)

230 VOLT OPERATION ONLY

	25' LONG	50' LONG	100' LONG
0 to 6 Amps	16 AWG	16 AWG	14 AWG
6 to 8 Amps	16 AWG	16 AWG	12 AWG
8 to 12 Amps	14 AWG	14 AWG	10 AWG
12 to 15 Amps	12 AWG	12 AWG	10 AWG
15 to 20 Amps	10 AWG	10 AWG	Not recommended

UNPACKING & INVENTORY

⚠ WARNING

- The machine is heavy, two people are required to unpack and lift.

Check shipping carton and machine for damage before unpackaging. Carefully remove packaging materials, parts and machine from shipping carton. Always check for and remove protective shipping materials around motors and moving parts. Lay out all parts on a clean work surface.

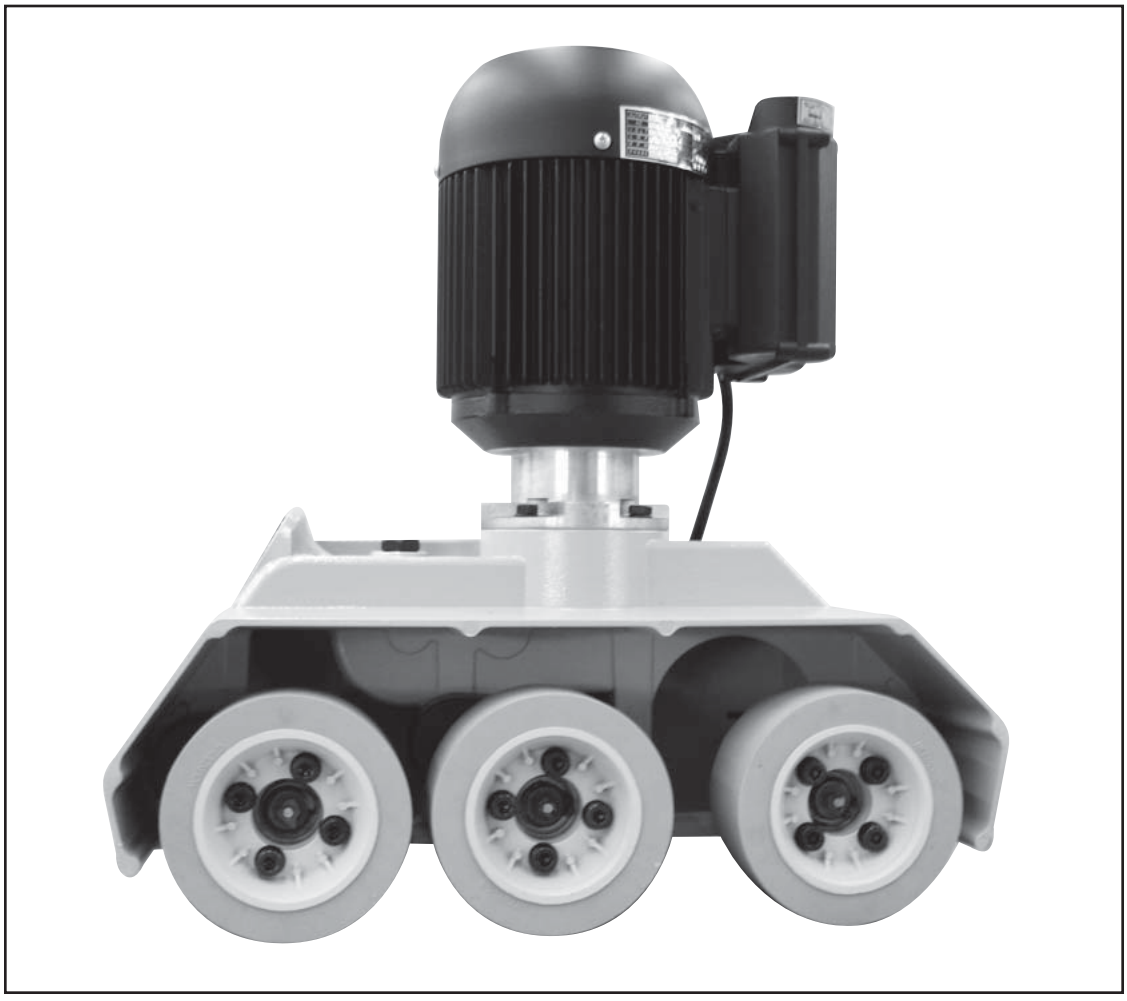
Remove any protective materials and coatings from all of the parts and the stock feeder. The protective coatings can be removed by spraying WD-40 on them and wiping it off with a soft cloth. This may need redone several times before all of the protective coatings are removed completely.

After cleaning, apply a good quality paste wax to any unpainted surfaces. Make sure to buff out the wax before assembly.

Compare the items to inventory figures; verify that all items are accounted for before discarding the shipping box.

⚠ WARNING

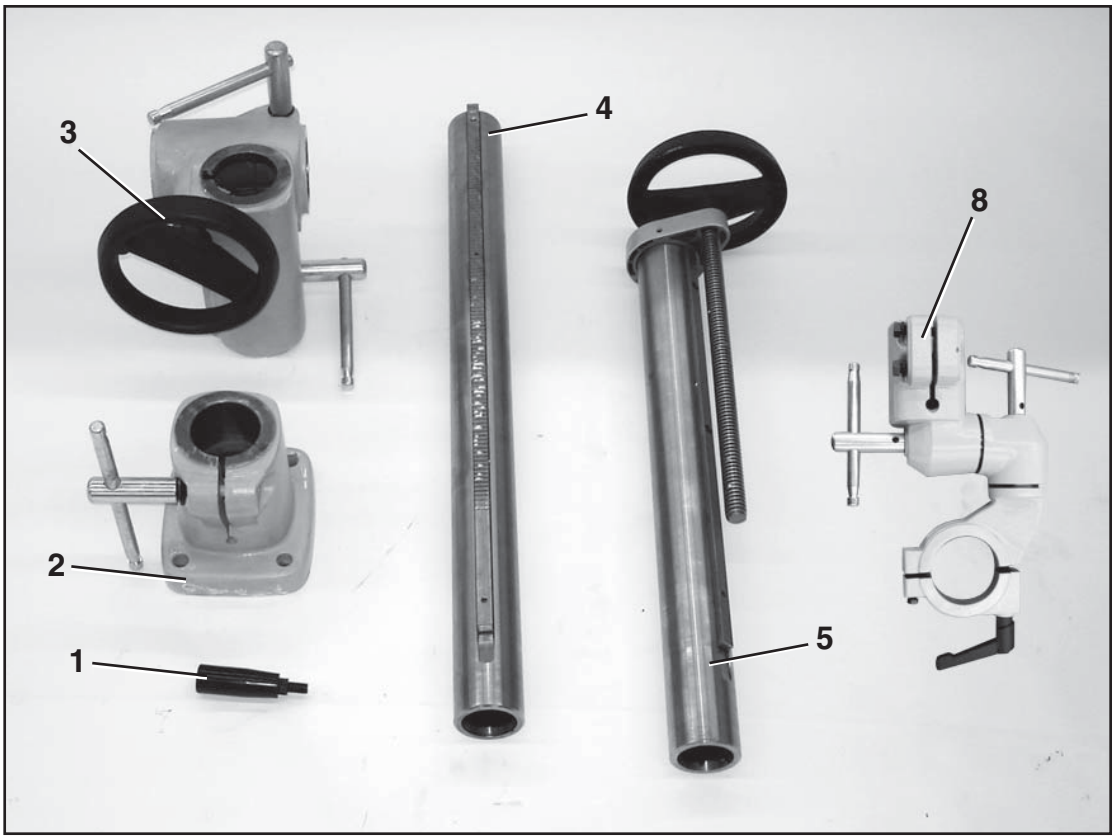
If any parts are missing, do not attempt to plug in the power cord and turn “ON” the machine. The machine should only be turned “ON” after all the parts have been obtained and installed correctly. For missing parts, contact Steel City at 1-877-SC4-TOOL.



Model 35655

Model 35660

1. Handle
2. Base
3. Elevating Bracket
4. Horizontal Arm
5. Vertical Arm
6. Drilling Template (not shown)
7. Grease gun (not shown)
8. Motor Clamp



ASSEMBLY

⚠ WARNING

The stock feeder and auxiliary machine to which you are mounting the stock feeder should be disconnected from the power during installation.

NOTE: Keep in mind the length of the horizontal arm when mounting the stock feeder so you have room for proper adjustment.

NOTE: DO NOT drill though any table ribs or table supports.

NOTE: Leave enough space around the work area for loading and off-loading stock.

ATTACHING THE TABLE MOUNTING BRACKET

⚠ WARNING

Make certain that both machines are disconnected from the power source.

1. Determine the location for the mounting bracket on the table.
2. Clean the mounting surface and apply the supplied drilling template in the location selected.
3. Center punch and drill four 3/8” diameter holes. Remove drilling template.

NOTE: DO NOT drill though any table ribs or table supports.

4. Secure the mounting bracket to the table with four 2” bolts, four flat washers and four hex nuts (not provided) through the four holes in the mounting bracket. **SEE FIG. 1.**

Fig. 1

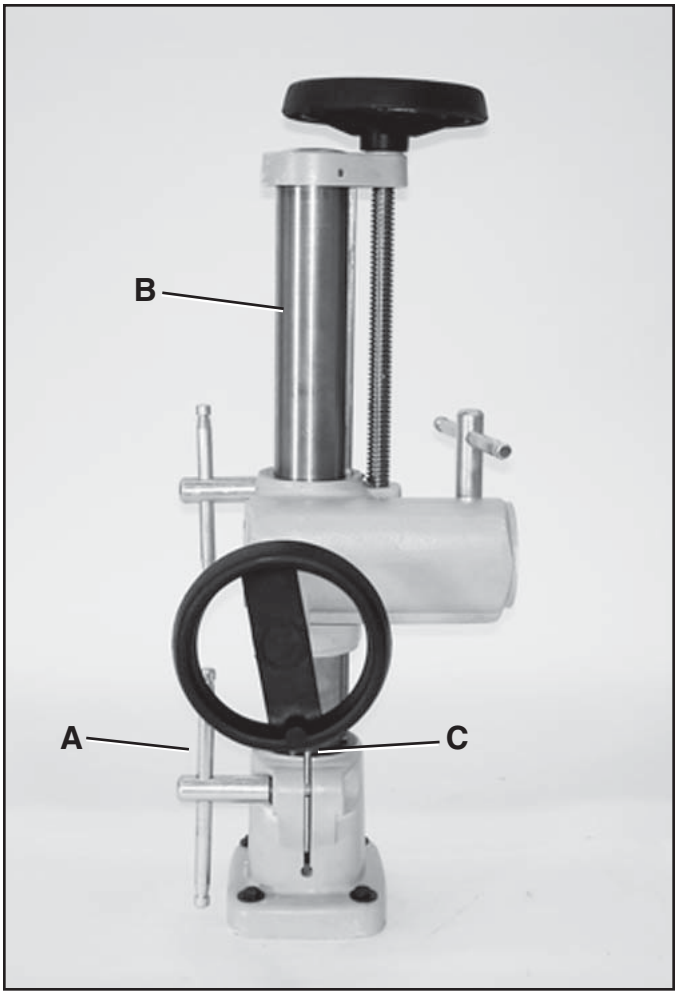
ATTACHING THE SUPPORT ASSEMBLY

⚠ WARNING

Make certain that both machines are disconnected from the power source.

1. Loosen locking lever (A). **SEE FIG. 2.**
2. Insert vertical arm (B) of support assembly into the mounting bracket (C).
3. Tighten locking lever (A) on the mounting bracket to hold the support assembly in place.

Fig. 2

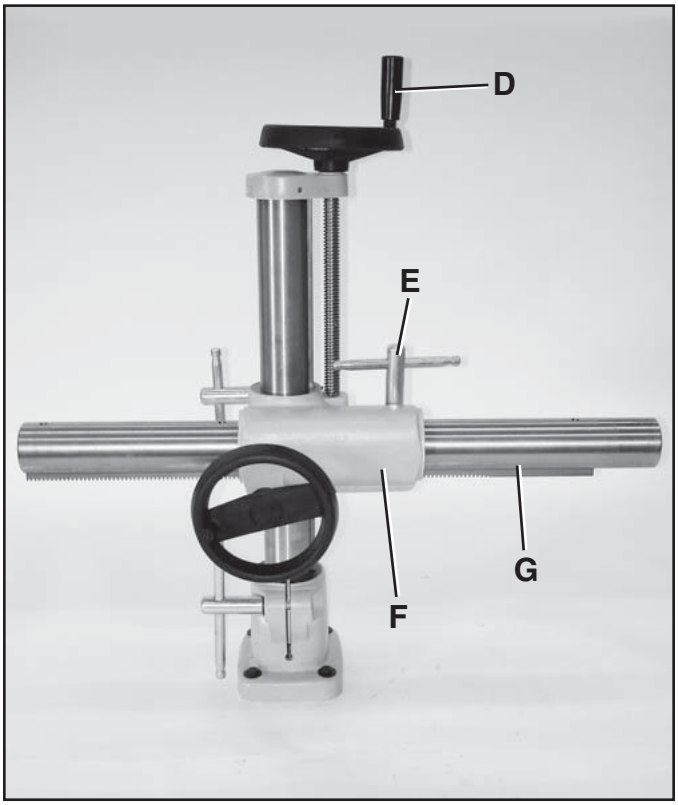


4. Thread the handle (D) into the handwheel with the supplied 3-1/2” screw and nut. **SEE FIG. 3.**
5. Loosen locking lever (E).
6. Insert the horizontal arm (G) into elevating bracket (F).

NOTE: The gear rack of the horizontal arm must be on the bottom. The horizontal arm must be started with the end that has the gear rack extending all the way to the end.

7. Tighten locking handle (E).

Fig. 3



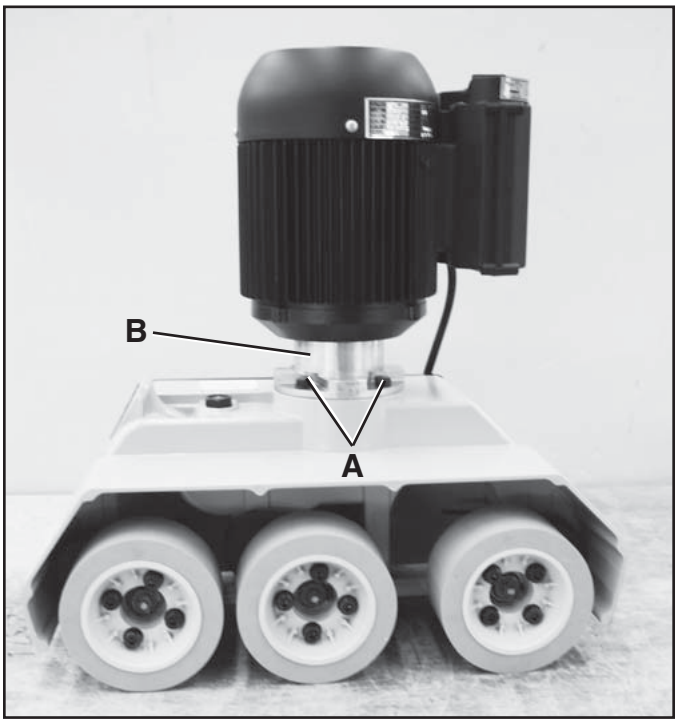
REPOSITIONING THE MOTOR ASSEMBLY

⚠WARNING

Make certain that both machines are disconnected from the power source.

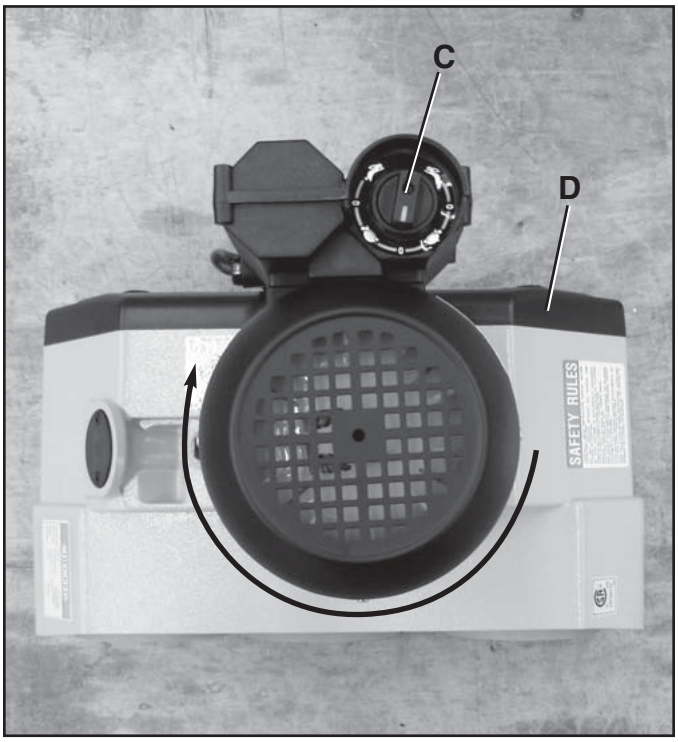
1. Loosen and remove the four bolts and four lock washers (A), (only two are shown) on the motor collar (B). **SEE FIG.4-1**.

Fig. 4-1



2. Rotate the motor assembly clockwise until the switch (C) is on the same side of the stock feeder as the gear cover (D). **SEE FIG.4-2.**

Fig. 4-2



3. Align the four holes in the motor collar (B) with the four threaded holes in the feeder base. Reinstall and tighten the four bolts and four lock washers removed in Step 1. **SEE FIG. 4-1.**

ATTACHING THE MOTOR CLAMP

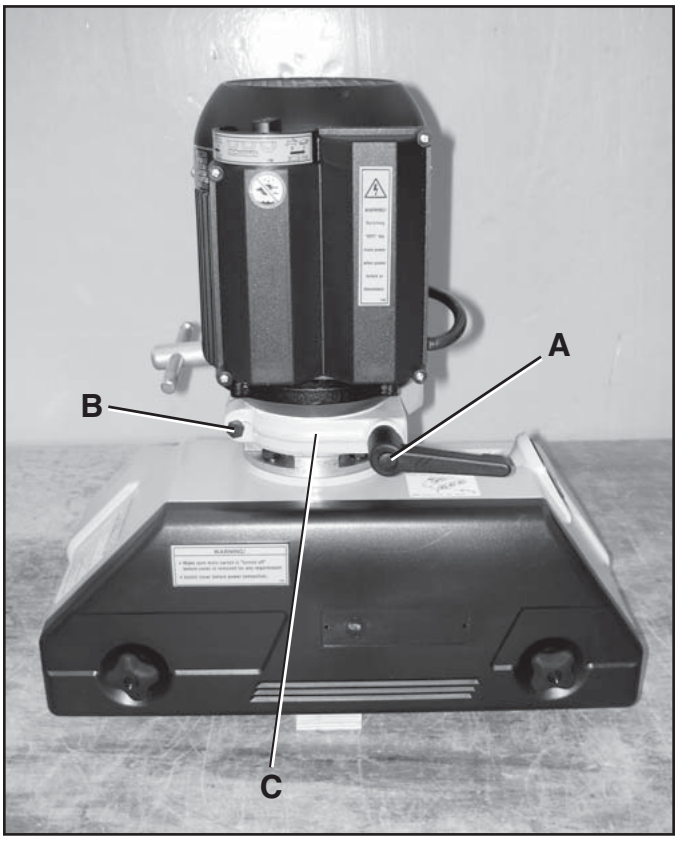
⚠ WARNING

Make certain that both machines are disconnected from the power source.

1. Place the motor clamp (C) around the motor collar. **SEE FIG. 4-3.**

2. Install the locking lever (A) and the bolt (B) into the motor clamp (C).

Fig. 4-3



3. Tighten the locking lever (A) and the bolt (B), keeping the gap on both sides of the collar (C) equal.

ATTACHING THE STOCK FEEDER TO THE SUPPORT ASSEMBLY

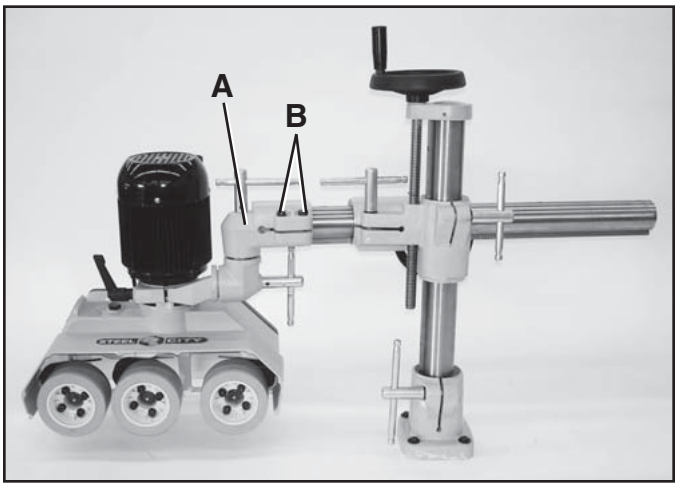
⚠ WARNING

Make certain that both machines are disconnected from the power source.

1. Loosen two bolts (B) on the arm bracket (A). **SEE FIG. 4-4.**

2. Place the arm bracket (A) over the horizontal arm as far as it will go and tighten the two bolts (B).

Fig. 4-4



NOTE: The arm bracket goes over the end of the horizontal arm where there is no gear rack.

ADJUSTMENTS

BASIC FEEDER AND SUPPORT ASSEMBLY MOVEMENTS

⚠ WARNING

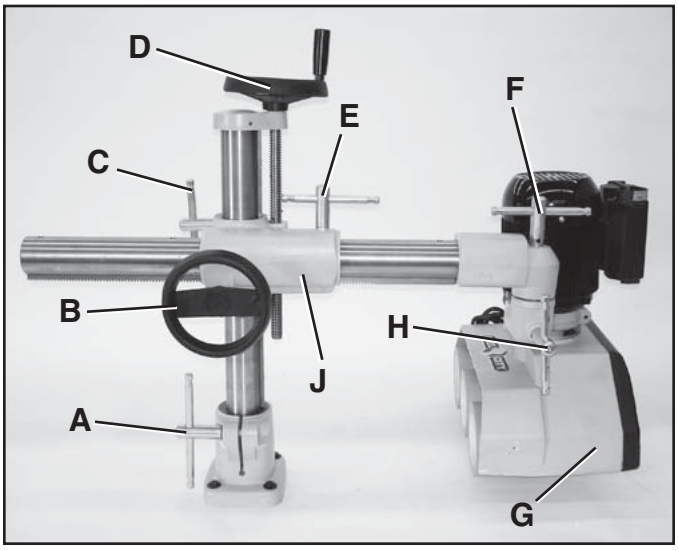
Make certain that both machines are disconnected from the power source.

1. To rotate the entire stock feeder assembly, loosen locking lever (A) on the base and swing the assembly into the desired position. **SEE FIG. 5.**
2. To raise or lower the stock feeder, (G) loosen the locking lever (C) and rotate the handwheel (D), clockwise to raise and counter clockwise to lower.
3. To move the stock feeder (G) in or out, loosen locking lever (E) and rotate the handwheel (B), clockwise to extend and counter clockwise to retract.
4. To adjust the position of the stock feeder (G) parallel with the table, loosen locking lever (H) and manually move the feeder into the desired position. Retighten locking lever (H) after adjustments are made.

NOTE: It may be necessary to loosen the two bolts (N) on the arm bracket for proper alignment. Make sure to retighten bolts after adjustment is made. **SEE FIG. 6.**

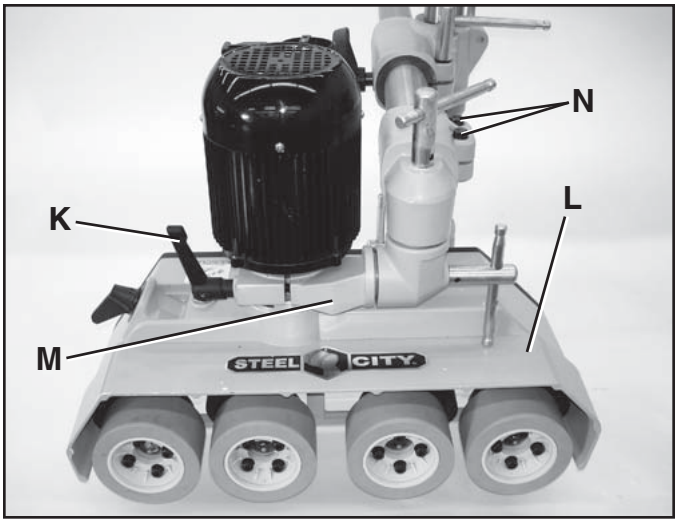
5. To adjust the stock feeder (G) in relation to the fence, loosen locking lever (F) and manually move the feeder into position. Retighten locking lever (F) after adjustments are made. **SEE FIG. 5.**

Fig. 5



6. To rotate the stock feeder (L), loosen the locking lever (K) on the motor clamp (M) and manually move the feeder into the desired position. Retighten the locking lever after adjustments are made. **SEE FIG. 6.**

Fig. 6



NOTE: The locking lever is spring loaded and can be repositioned by pulling out on the handle and repositioning it on the nut located underneath the handle.

7. Tighten all locking levers after adjustments are complete.

FEED RATE ADJUSTMENTS MODEL 35655 ONLY

⚠ WARNING

Make certain that both machines are disconnected from the power source.

The 35655 Stock Feeder has 4 speeds available – (13, 26, 33, 66 Ft/min.) - (4, 8, 10, 20 M/min.) – depending on gear arrangement and motor switch position.

1. Unscrew the two knobs (A) and remove the gearbox cover (B). **SEE FIG. 7.**

Fig. 7

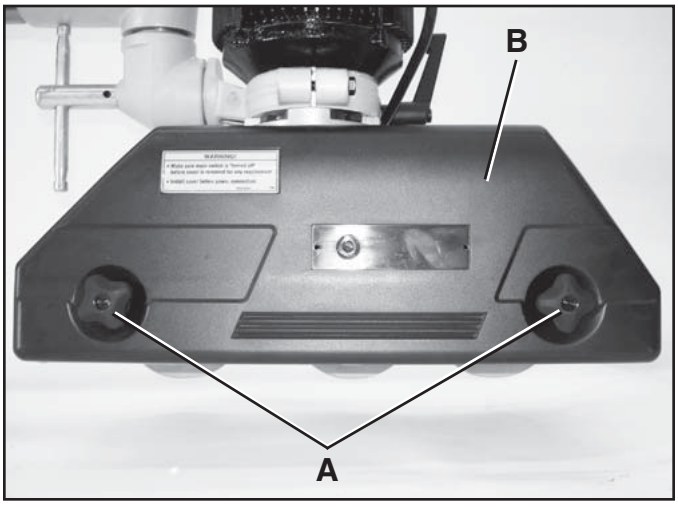
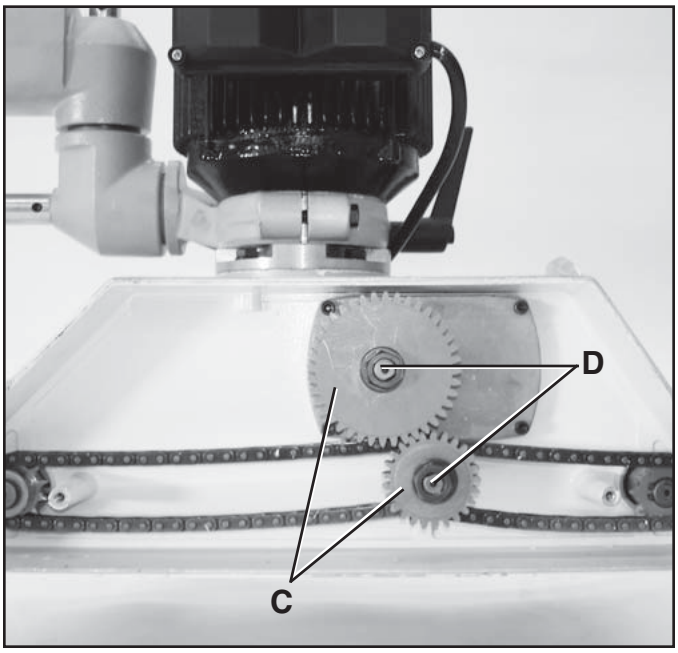


Fig. 8



2. Refer to the speed chart in Fig. 9 to select the feed rate you want. This chart also appears on the inside of the gearbox cover. **SEE FIG. 9.**
3. To change the gears (C), remove the hex nuts and washers (D). **SEE FIG. 8.**
4. Remove the gears (C) from the shafts and reposition as shown on the feed rate chart.

NOTE: Make sure the keyway on the gears and shafts line up.

5. Reinstall the hex nuts and washers (D) and tighten.
6. Reinstall the gearbox cover (B) and two knobs (A). **SEE FIG. 7.**

Fig. 9

4 SPEED POWER FEEDER		
	4M (13Ft.)	8M (26Ft.)
	10M (33Ft.)	20M (66Ft.)

FEED RATE ADJUSTMENTS MODEL 35660 ONLY

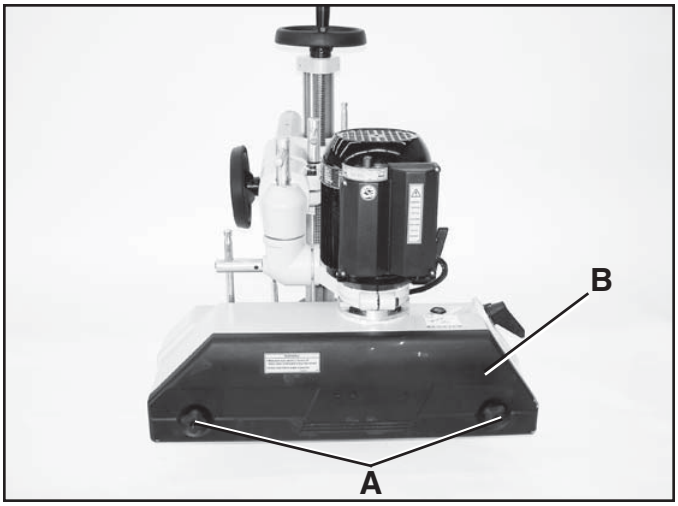
⚠ WARNING

Make certain that both machines are disconnected from the power source.

The 35660 Stock Feeder has 8 speeds available – (6.5,13,18,22,36,43,55,108Ft/min.); (2,4,5.5,6.7,11, 13,16.5,33M/min.) depending on the configuration of the gears, the position of the gear speed control lever, and motor switch position.

1. Unscrew the two knobs (A) and remove the gearbox cover (B). **SEE FIG. 10.**

Fig. 10

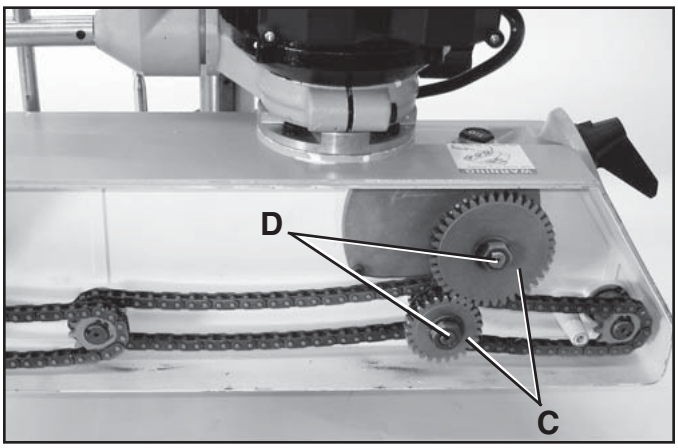


2. Refer to the speed chart in Fig. 12 to select the feed rate you want. This chart also appears on the inside of the gearbox cover. **SEE FIG. 12.**
3. To change the gears (C), remove the hex nuts and washers (D). **SEE FIG. 11.**
4. Remove the gears (C) from the shafts and reposition as shown on the feed rate chart.

NOTE: Make sure the keyway on the gears and shaft line up.

5. Reinstall the hex nuts and washers (D) and tighten.

Fig. 11



6. Reinstall the gearbox cover (B) and two knobs (A). **SEE FIG. 10.**

7. Turn the gear speed control lever (E) to the correct position for the feed rate you want according to the feed rate chart. **SEE FIGS. 12 AND 13.**

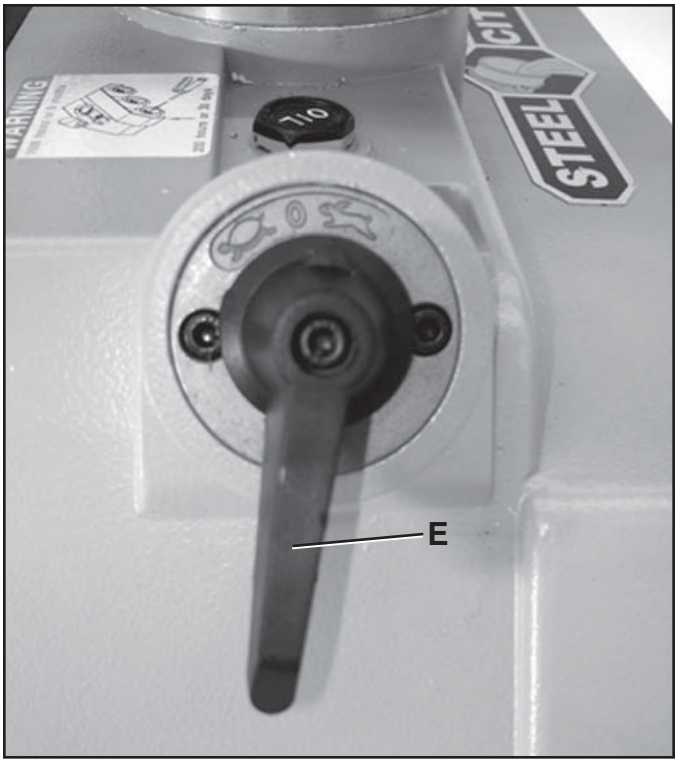
NOTE: The gear speed control lever will **NOT** move unless the motor is running.

NOTE: DO NOT start motor unless the stock feeder is completely assembled.

Fig. 12

8 Speed Power Feeder				
	2M (6.5FT.)	6.7M (22FT.)	4M (13FT.)	13M (43FT.)
	5.5M (18FT.)	16.5M (55FT.)	11M (36FT.)	33M (108FT.)

Fig. 13



MOTOR CONTROL SWITCH

⚠ WARNING

If a workpiece jams while feeding, **DO NOT** reverse the feed direction while the auxiliary machine is still running. Turn **OFF** both machines and wait till the cutting blade comes to a complete stop. Disconnect both machines from power source before clearing the jam.

The stock feeder motor control switch (A) has two forward and two reverse positions. **SEE FIG. 14.**

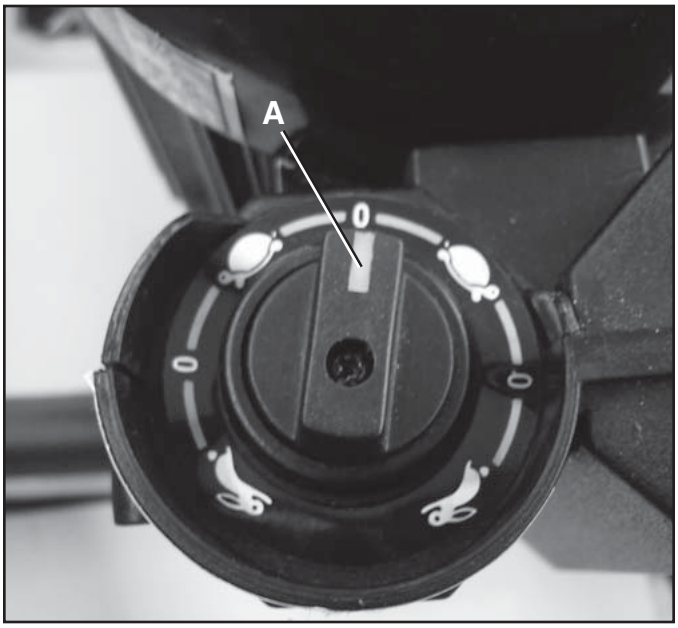
1. To operate the stock feeder in a forward direction, rotate the switch (A) clockwise to the turtle or rabbit depending on the desired feed rate.

2. To reverse the direction of feed, rotate the switch (A) counter clockwise to the turtle or rabbit depending on the desired feed rate.

NOTE: See the feed rate chart Fig. 9 for Model 35655 or Fig. 12 for Model 35660 to help select the switch position for the feed rate you want.

3. To turn the feeder OFF, rotate the switch to any of the three (0) positions.

Fig. 14



OPERATIONS

This section covers basic stock feeder setup. It does not and cannot convey every possible safety and operational problem that may arise while using this machine. Always follow all warning and operating instructions for the machine that the stock feeder is being attached to.

⚠ WARNING

When used properly a stock feeder reduces the chance of a kick back, however it is still possible. **NEVER** stand directly behind the workpiece while feeding stock.

NOTE: If your stock feeder only has three rollers, disregard the fourth dotted line roller.

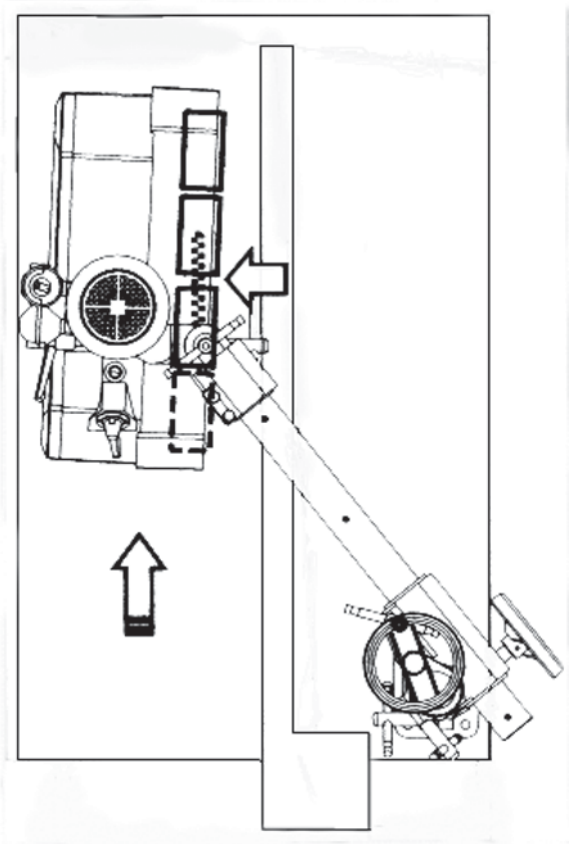
STOCK FEEDER ON A TABLE SAW

Position the stock feeder assembly on the table saw so that the center of the saw blade is between the infeed roller and the middle roller. The outfeed roller should be approximately 1/4" closer to the fence than the infeed roller. **SEE FIG. 15.**

NOTE: Make certain the saw blade is no higher than 1/8 inch above the workpiece. Avoid contact with the stock feeder rollers.

Fig. 15

Stock Feeder on Table Saw



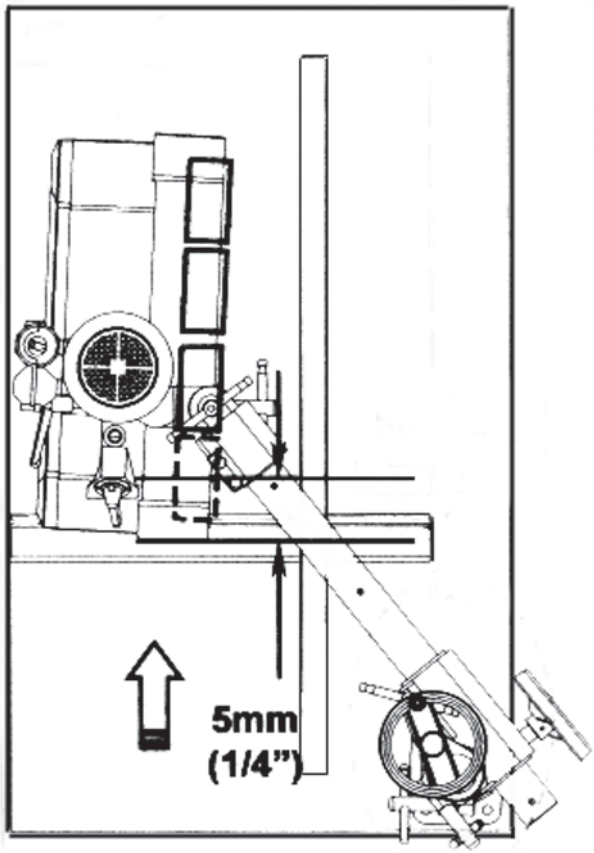
Front of Table

STOCK FEEDER ON A JOINTER

Position the stock feeder assembly on the Jointer so that all of the rollers are over the outfeed table. The first roller should be approximately 1/4" from the leading edge of the outfeed table. The outfeed roller should be approximately 1/4" closer to the fence than the infeed roller. **SEE FIG. 16.**

Fig. 16

Stock Feeder on Jointer

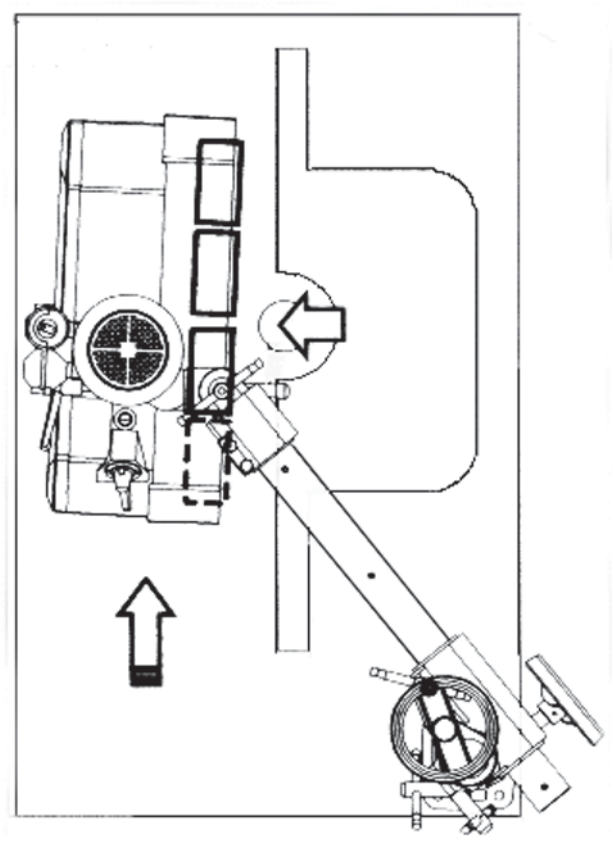


STOCK FEEDER ON A SHAPER

Position the stock feeder assembly so that the cutter head is between the first and middle rollers. The out-feed roller should be approximately 1/4” closer to the fence than the infeed roller. **SEE FIG.17.**

Fig. 17

Stock Feeder on Shaper

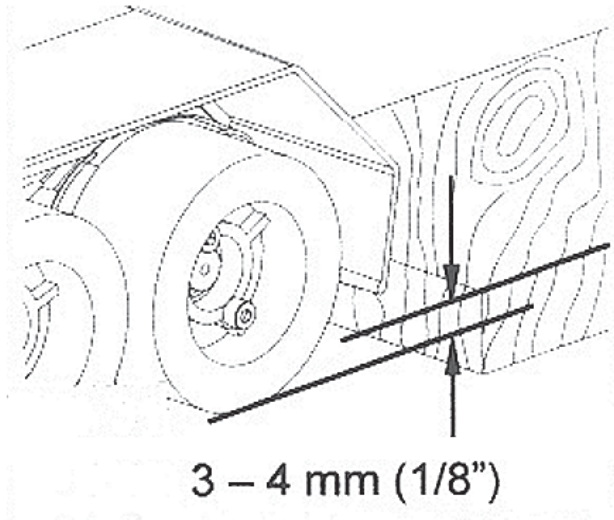


STOCK FEEDER HEIGHT ADJUSTMENT

Position the stock feeder height so that the distance between the table and the feed rollers is approximately 1/8” less than the thickness of the work piece. **SEE FIG. 18.**

Fig. 18

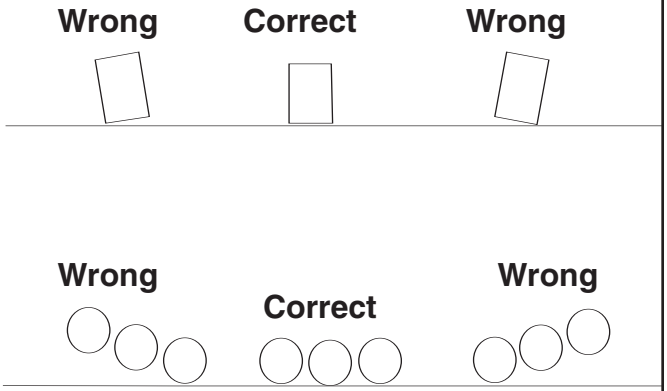
Stock Feeder Height Adjustment



STOCK FEEDER ROLLER ALIGNMENT

Position the stock feeder so that all of the rollers make contact with and set squarely on the work piece. **SEE FIG. 19.**

Fig. 19



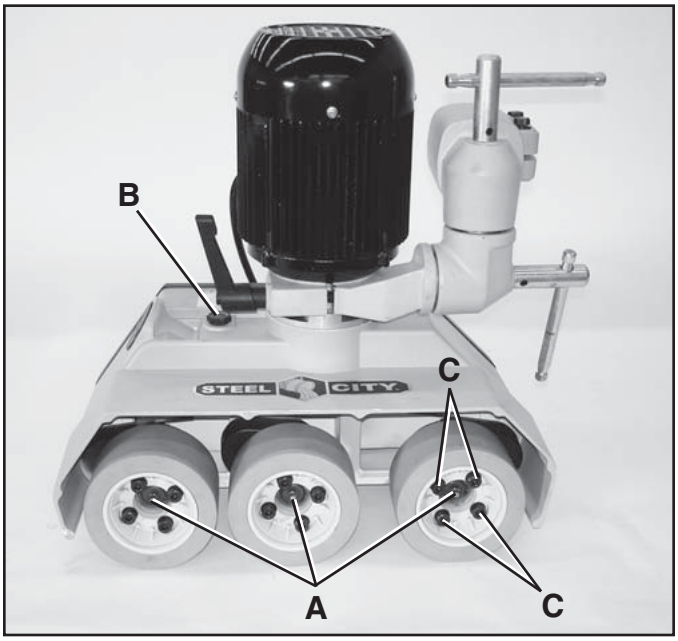
MAINTENANCE

LUBRICATION

⚠ WARNING

Make certain that both machines are disconnected from the power source.

Fig. 20



ROLLERS

Every 200 working hours, or 30 days the stock feeders rollers should be greased using a # 2 grease or equivalent. Each roller has a grease fitting in the center of the hub (A). **SEE FIG. 20.**

GEARBOX

After the first 200 working hours, or 30 days, the gearbox oil should be changed. After the initial oil change, change every 1000 working hours, or 6 months with a good quality gear oil.

To change oil:

1. Remove oil cap (B). **SEE FIG. 20.**
2. Turn the stock feeder body upside down, and completely drain all oil into a catch pan.
3. Turn the stock feeder right side up and level.
4. **Model 35655 (3 wheel)**: Using new oil, add 300cc or 10 oz. of oil.

   Model 35660 (4 wheel): Using new oil, add 380cc or 12.5 oz. of oil.

NOTE: The oil level should be about 2" from the rim.

5. Reinstall the oil cap (B).

GEARS AND CHAINS

Periodically lubricate the gears and chains (See Fig. 7 and 8 for Model 35655 or Fig. 10 and 11 for Model 35660) with a #2 grease or equivalent.

CHANGING THE ROLLERS

⚠ WARNING

Make certain that both machines are disconnected from the power source.

To remove a roller, loosen and remove the four cap head screws (C) from the hub of the roller. Pull the roller from the shaft. Installation is the reverse. **SEE FIG. 20.**

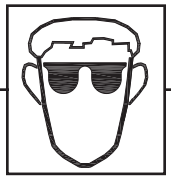
NOTE: Rotating the roller positions periodically will prolong the life of the rollers.

CLEANING

⚠ WARNING

Make certain that both machines are disconnected from the power source.

⚠ WARNING



With the stock feeder unplugged, blow off the motor with low-pressure air to remove dust or dirt. Air pressure above 50 P.S.I. should not be used, as high-pressure air may damage insulation. The operator should always wear eye protection when using compressed air.

⚠ CAUTION

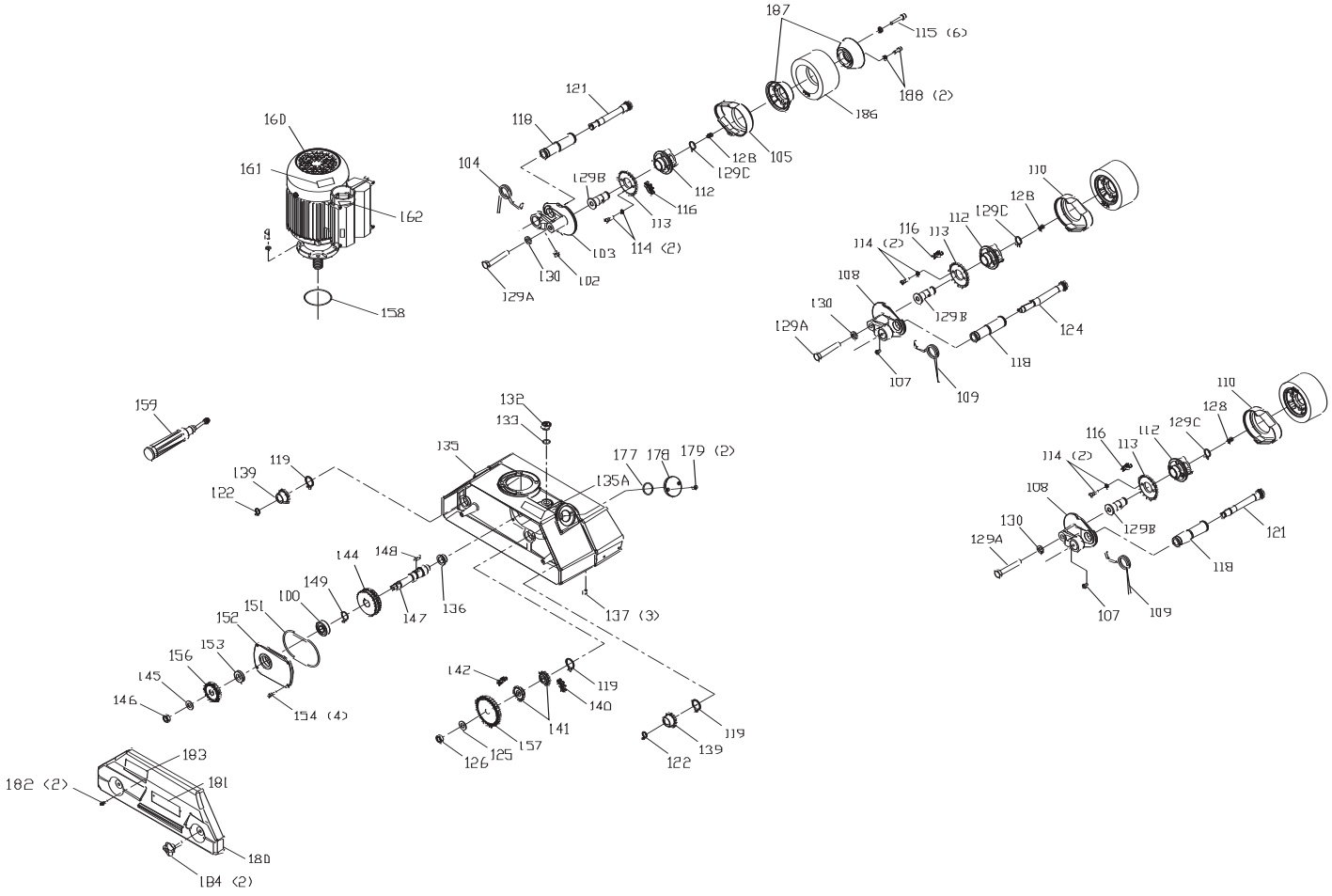
Do not use flammable materials to clean the stock feeder.

After cleaning, apply a good quality paste wax to all unpainted surfaces.

◆ NOTES ◆

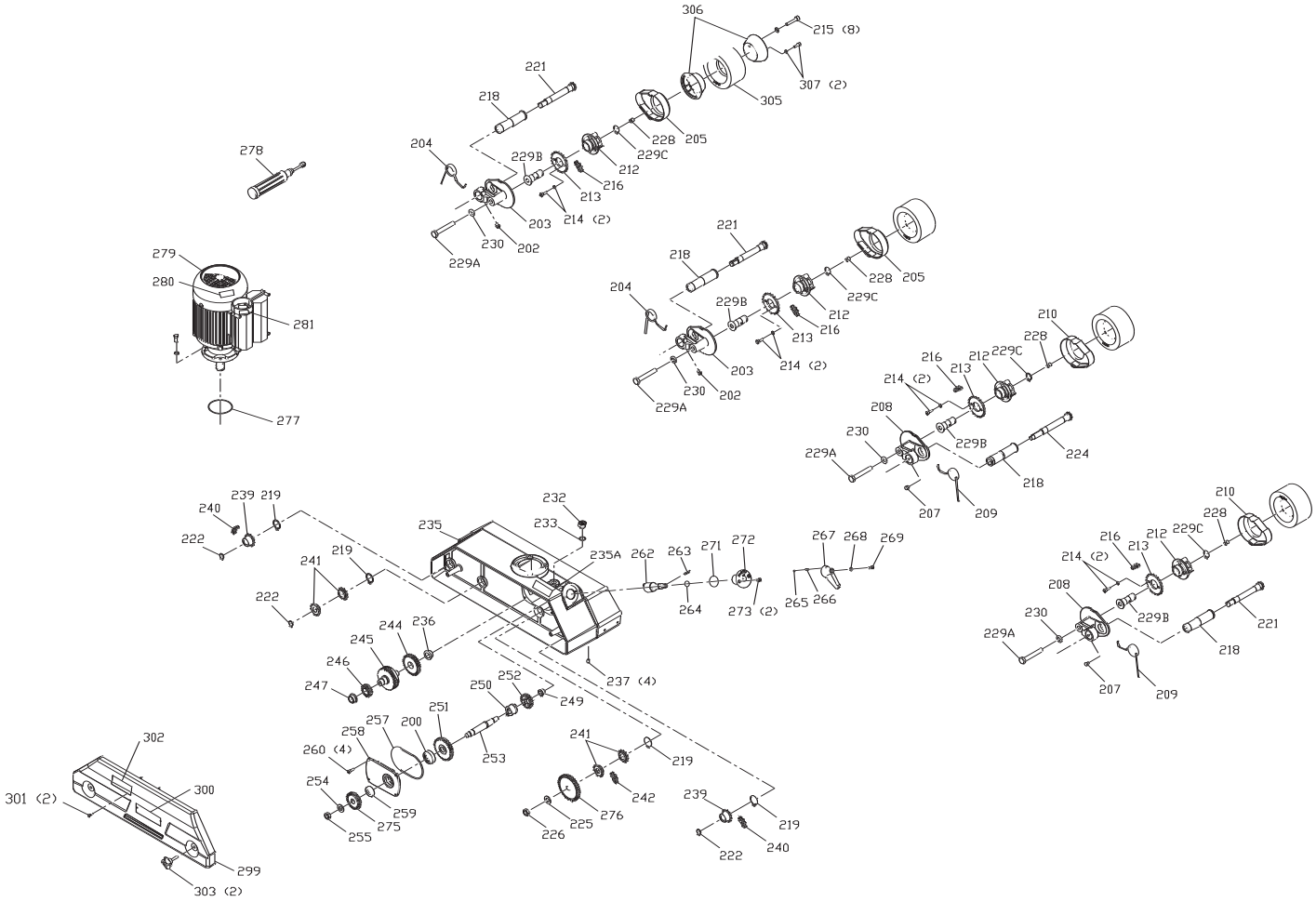
PARTS

Model 35655 (3 wheel)

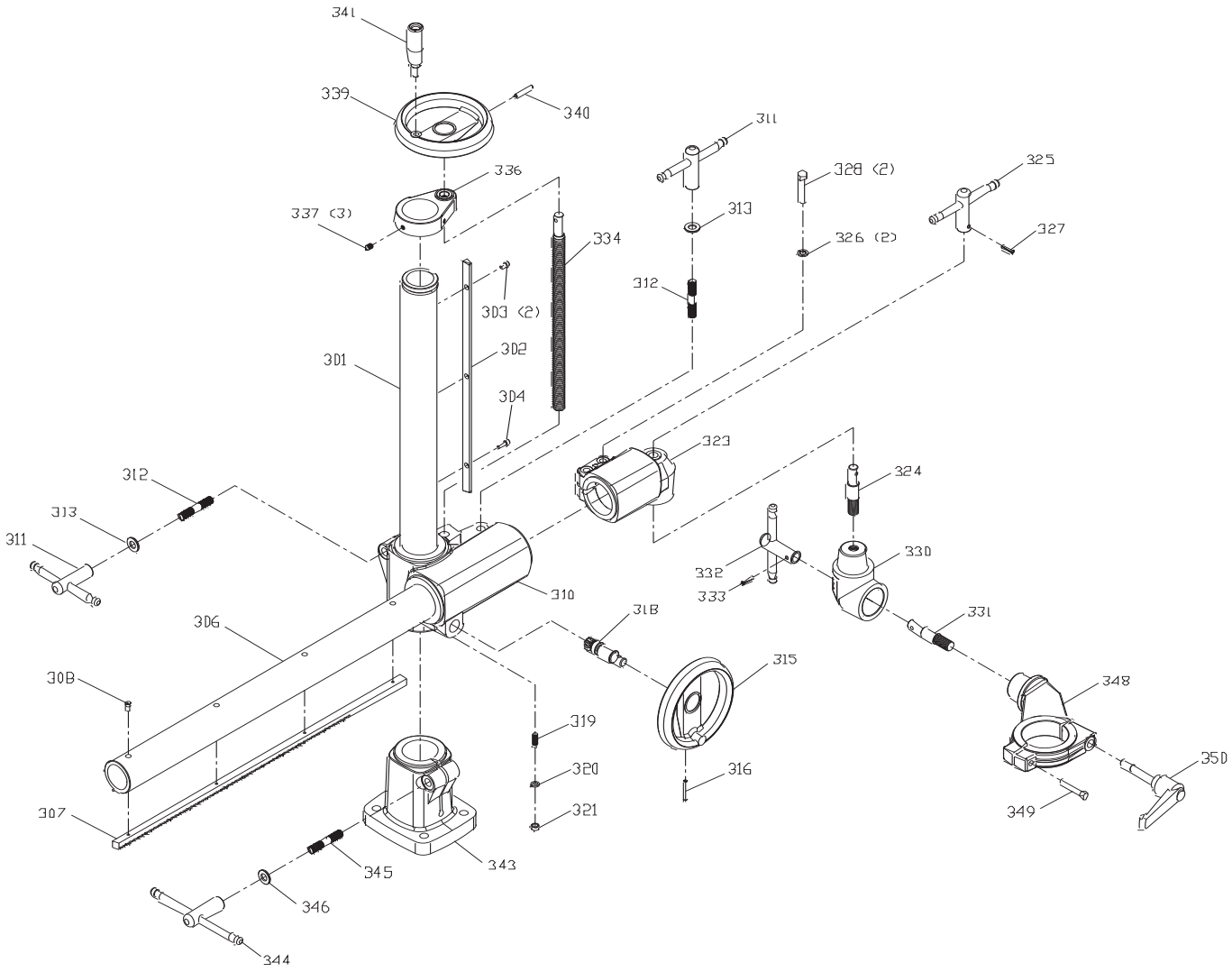


KEY NO.	PART NO.	DESCRIPTION	QTY.
100	OR73062	Bearing	1
101	OR73202	Sprocket Case Assy, Const of: Ref 102 thru 105	1
102	OR73140	Grease Nipple	1
103	OR73075	Sprocket Case	1
104	OR73127	Spring	1
105	OR73148	Case Cap	1
106	OR73204	Sprocket Case Assy, Const of: Ref 107 thru 110	2
107	OR73140	Grease Nipple	2
108	OR73075	Sprocket Case	2
109	OR73127	Spring	2
110	OR73148	Case Cap	2
111	OR73206	Roller Support Assy, Const of: Ref 112 thru 116	3
112	OR73076	Roller Support	3
113	OR73047	Sprocket	3
114	OR91758	Cap Screw M6x16	6
115	OR92923	Cap Screw M8x40	6
116	OR73114	Chain (26S)	3
117	OR73208	Tube Assy, Const of: Ref 118,119	3
118	OR73081	Tube	3
119	OR73121	Snap Ring	3
120	OR73210	Sprocket Shaft Assy, Const of: Ref 121,122	2
121	OR73094	Sprocket Shaft	2
122	OR73119	Snap Ring	2
123	OR73212	Main Sprocket Shaft Assy, Const of: Ref 124 thru 126	1
124	OR73101	Main Sprocket Shaft	1
125	OR90304	Flat Washer M12	1
126	OR90280	Hex Nut M12	1
127	OR73214	Roller Spindle Assy, Const of: Ref 128 thru 130	3
128	OR73140	Grease Nipple	3
129	OR73100	Roller Spindle Assy, Const of: Ref 129A,129B,129C	3
129A	OR73253	Special Hex Bolt	3
129B	OR73254	Shaft	3
129C	OR73255	Retaining Ring	3
130	OR93912	Lock Washer M12	3
131	OR73217	Oil-Cap Assy, Const of: Ref 132,133	1
132	OR73143	Oil Cap	1
133	OR73130	O-Ring	1
134	OR73163	Housing Frame Assy, Const of: Ref 135 thru 137	1
135	OR73063	Housing Frame	1
135A	OR73245	Lubrication Label	1
136	OR73040	Bushing	1
137	OR90222	Set Screw M6x10	3
138	OR73165	Transmission Assy, Const of: Ref 139 thru 142	1
139	OR73042	Sprocket 12T	2
140	OR73117	Chain (62S)	1
141	OR73045	Double-Sprocket 12T	2
142	OR73116	Chain (40S)	1
143	OR73221	Worm Gear Assy, Const of: Ref 144 thru 149	1
144	OR73080	Worm Gear 38T	1
145	OR90304	Flat Washer M12	1
146	OR90280	Hex Nut M12	1
147	OR73095	Wormgear Shaft	1
148	OR73118	Key	1
149	OR73120	Snap Ring	1
150	OR73219	Wormgear Box Cover Assy, Const of: Ref 151 thru 154	1
151	OR73134	O-Ring	1
152	OR73078	Wormgear Box Cover	1
153	OR73135	Oil Seal	1
154	OR93955	Cap Screw M5x16	4
155	OR73223	Gear (25T/40T) Assy, Const of: Ref 156 thru 159	1
156	OR73048	Gear (25T)	1
157	OR73049	Gear (40T)	1
158	OR73133	O-Ring	1
159	OR73141	Grease Gun	1
160	OR73161	Motor Assy, Const of: Ref 161,162	1
161	OR72906	Spec. Plate	1
162	OR73158	Switch Assy, Const of: Ref 163 thru 175	1
163	OR73256	Switch (Not Shown)	1
164	OR73257	Switch Box (Not Shown)	1
165	OR73258	Capacitor (Not Shown)	1
166	OR73259	Switch Mounting Support (Not Shown)	1
167	OR73260	Forward/Reverse Label (Not Shown)	1
170	OR73261	Special Pan Head Screw (Not Shown)	1
171	OR73262	Switch Knob (Not Shown)	1
172	OR73263	Pan Head Self-Tapping Screw 3.8mm x 22mm (Not Shown)	4
173	OR73264	Power Cord (Not Shown)	1
174	OR73265	Cord Grommet (Not Shown)	1
175	OR73266	Warning Label (Not Shown)	1
176	OR73229	Gearbox Cap Assy, Const of: Ref 177 thru 179	1
177	OR73131	O-Ring	1
178	OR73145	Gearbox Cap	1
179	OR90877	Cap Screw M5x12	2
180	OR73151	Housing Cover, Incl: Ref 181,182,183	1
181	OR73246	Nameplate	1
182	OR73247	Rivet	2
183	OR73248	Warning	1
184	OR73147	Knob	2
185	OR73138	Roller Assy, Const of: Ref 186 thru 188	3
186	OR73157	Tire	3
187	OR73079	Inner and Outer Wheel	3
188	OR93381	Cap Screw M8x20	6

Model 35660 (4 wheel)



KEY NO.	PART NO.	DESCRIPTION	QTY.
200	OR73062	Bearing	1
201	OR73203	Sprocket Case Assy, Const of: Ref 202 thru 205	2
202	OR73140	Grease Nipple	2
203	OR73075	Sprocket Case	2
204	OR73127	Spring	2
205	OR73148	Case Cap	2
206	OR73205	Sprocket Case Assy, Const of: Ref 207 thru 210	2
207	OR73140	Grease Nipple	2
208	OR73075	Sprocket Case	2
209	OR73127	Spring	2
210	OR73148	Case Cap	2
211	OR73207	Roller Support Assy, Const of: Ref 212 thru 216	4
212	OR73076	Roller Support	4
213	OR73047	Sprocket	4
214	OR91758	Cap Screw M6x16	8
215	OR92923	Cap Screw M8x40	8
216	OR73114	Chain (26S)	4
217	OR73209	Tube Assy, Const of: Ref 218,219	4
218	OR73081	Tube	4
219	OR73121	Snap Ring	4
220	OR73211	Sprocket Shaft Assy, Const of: Ref 221,222	3
221	OR73094	Sprocket Shaft	3
222	OR73119	Snap Ring	3
223	OR73213	Main Sprocket Shaft Assy, Const of: Ref 224 thru 226	1
224	OR73101	Main Sprocket Shaft	1
225	OR90304	Flat Washer M12	1
226	OR90280	Hex Nut M12	1
227	OR73215	Roller Spindle Assy, Const of: Ref 228 thru 230	4
228	OR73140	Grease Nipple	4
229	OR73100	Roller Spindle Assy, Const of: Ref 229A,229B,229C	4
229A	OR73253	Special Hex Bolt	4
229B	OR73254	Shaft	4
229C	OR73255	Retaining Ring	4
230	OR93912	Lock Washer M12	4
231	OR73218	Oil-Cap Assy, Const of: Ref 232,233	1
232	OR73143	Oil Cap	1
233	OR73130	O-Ring	1
234	OR73164	Housing Frame Assy, Const of: Ref 235 thru 237	1
235	OR73064	Housing Frame	1
235A	OR73245	Lubrication Label	1
236	OR73040	Bushing	1
237	OR90222	Set Screw M6x10	4
238	OR73166	Transmission Assy, Const of: Ref 239 thru 242	1
239	OR73042	Sprocket 12T	2
240	OR73116	Chain (40S)	2
241	OR73045	Double-Sprocket 12T	4
242	OR73117	Chain (62S)	1
243	OR73171	Worm Gear Assy, Const of: Ref 244 thru 247	1
244	OR73056	Gear 31T	1
245	OR73039	Worm Gear 38T	1
246	OR73057	Gear 17T	1
247	OR73040	Bushing	1
248	OR73167	Clutch Spindle Assy, Const of: Ref 249 thru 255	1
249	OR73043	Bushing	1
250	OR73050	Clutch	1
251	OR73051	Gear 34T	1
252	OR73052	Gear 20T	1
253	OR73103	Transmission Shaft	1
254	OR90304	Flat Washer M12	1
255	OR90280	Hex Nut M12	1
256	OR73220	Wormgear Box Cover Assy, Const of: Ref 257 thru 260	1
257	OR73134	O-Ring	1
258	OR73078	Wormgear Box Cover	1
259	OR73135	Oil Seal	1
260	OR93955	Cap Screw M5x16	4
261	OR73168	Speed Lever Assy, Const of: Ref 262 thru 269	1
262	OR73096	Gear Lever	1
263	OR73122	Lock Pin	1
264	OR73129	O-Ring	1
265	OR73137	Steel Ball	1
266	OR73126	Comp. Spring	1
267	OR73146	Speed Lever	1
268	OR90145	Lock Washer M5	1
269	OR90877	Cap Screw M5x12	1
270	OR73169	Speed Lever Socket Assy, Const of: Ref 271 thru 273	1
271	OR73131	O-Ring	1
272	OR73055	Speed Lever Socket	1
273	OR90877	Cap Screw M5x12	2
274	OR73224	Gear 25T/40T Assy, Const of: Ref 275,276	1
275	OR73048	Gear 25T	1
276	OR73049	Gear 40T	1
277	OR73133	O-Ring	1
278	OR73141	Grease Gun	1
279	OR73161	Motor Assy, Const of: Ref 280,281	1
280	OR72905	Spec. Plate	1
281	OR73158	Switch Assy, Const of: Ref 282 thru 294	1
282	OR73256	Switch (Not Shown)	1
283	OR73257	Switch Box (Not Shown)	1
284	OR73258	Capacitor (Not Shown)	1
285	OR73259	Switch Mounting Support (Not Shown)	1
286	OR73260	Forward/Reverse Label (Not Shown)	1
289	OR73261	Special Pan Head Screw (Not Shown)	1
290	OR73262	Switch Knob (Not Shown)	1
291	OR73263	Pan Head Self-Tapping Screw 3.8mm x 22mm (Not Shown)	4
292	OR73264	Power Cord (Not Shown)	1
293	OR73265	Cord Grommet (Not Shown)	1
294	OR73266	Warning Label (Not Shown)	1
295	OR73230	Gearbox Cap Assy, Const of: Ref 296 thru 298	1
296	OR73131	O-Ring	1
297	OR73145	Gearbox Cap	1
298	OR90877	Cap Screw M5x12	2
299	OR73152	Housing Cover, Incl: Ref 300 thru 302	1
300	OR73246	Nameplate	1
301	OR73247	Rivet	2
302	OR73248	Warning	1
303	OR73147	Knob	2
304	OR73138	Roller Assy, Const of: Ref 305 thru 307	4
305	OR73157	Tire	4
306	OR73079	Inner and Outer Wheel	4
307	OR93381	Cap Screw M8x20	8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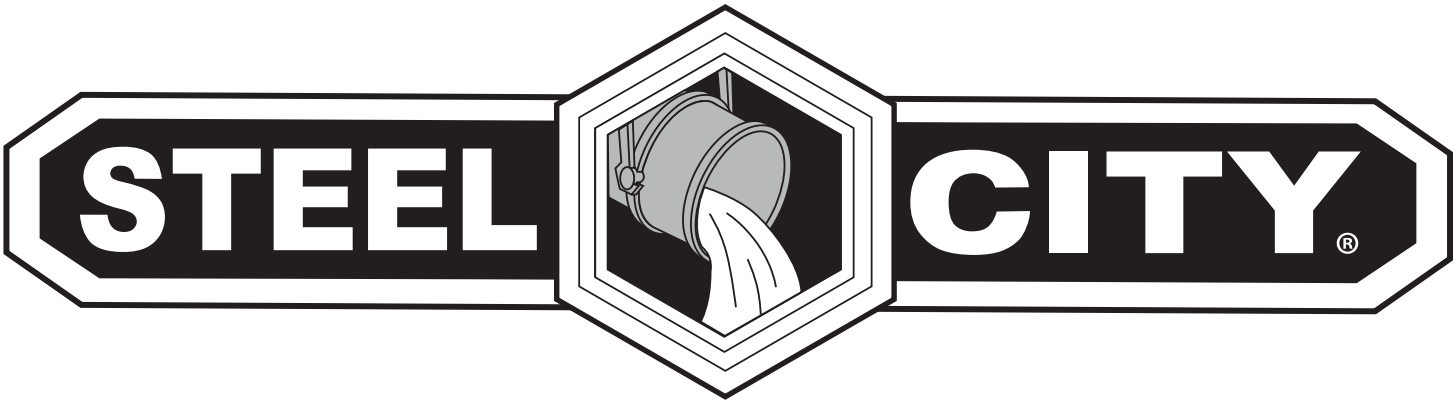
KEY NO.	PART NO.	DESCRIPTION	QTY.
300	OR73182	Vertical Column Assy, Const of: Ref 301 thru 304	1
301	OR73082	Vertical Column	1
302	OR73108	Rack	1
303	OR94279	Cap Screw M5x10	2
304	OR93955	Cap Screw M5x16	1
305	OR73183	Overarm Assy, Const of: Ref 306 thru 308	1
306	OR73083	Overarm	1
307	OR73109	Rack	1
308	OR94279	Cap Screw M5x10	4
309	OR73185	Elevating Bracket Assy, Const of: Ref 310 thru 313	1
310	OR73037	Elevating Bracket	1
311	OR73087	Lever	2
312	OR73107	Stud	2
313	OR90304	Flat Washer M12	2
314	OR73186	Handwheel Assy, Const of: Ref 315,316	1
315	OR73153	Handwheel, Extension	1
316	OR73125	Lock Pin	1
317	OR73188	Pinion Assy, Const of: Ref 318 thru 321	1
318	OR73085	Pinion	1
319	OR94218	Set Screw M8x25	1
320	OR90248	Lock Washer M8	1
321	OR90307	Hex Nut M8	1
322	OR73190	Overarm Cone Assy, Const of: Ref 323 thru 328	1
323	OR73038	Overarm Cone	1
324	OR73086	Stud	1
325	OR73088	Lever	1
326	OR90227	Lock Washer M10	2
327	OR73124	Lock Pin	1
328	OR94331	Hex Screw M10x50	2
329	OR73191	Swivel Cone Assy, Const of: Ref 330 thru 334	1
330	OR73030	Swivel Cone	1
331	OR73086	Stud	1
332	OR73088	Lever	1
333	OR73124	Lock Pin	1
334	OR73104	Elevating Screw	1
335	OR73194	Column Cap Assy, Const of: Ref 336, 337	1
336	OR73070	Column Cap	1
337	OR93913	Set Screw M8x12	3
338	OR73195	Handwheel Assy, Const of: Ref 339,340	1
339	OR73155	Handwheel, Elevating	1
340	OR73125	Lock Pin	1
341	OR73144	Wheel-Handle	1
342	OR73199	Base Assy, Const of: Ref 343 thru 346	1
343	OR73036	Column Base	1
344	OR73089	Lever	1
345	OR73107	Stud	1
346	OR90304	Flat Washer M12	1
347	OR73200	Motor Clamp Assy, Const of: Ref 348 thru 350	1
348	OR73031	Motor Clamp	1
349	OR91497	Hex Bolt M8x50	1
350	OR73139	Lever	1
351	OR73249	Mounting Template (Not Shown)	1
360	OR73267	Owner's Manual English	1
361	OR73269	Owner's Manual Spanish	1
362	OR73268	Owner's Manual French	1

DATE	MAINTENANCE PERFORMED	REPLACEMENT COMPONENTS REQUIRED



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